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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No.	MERCK 2331
First Inventor	KLASEN-MEMMER ET AL
Title	LIQUID-CRYSTAL MEDIUM, AND ELECTRO-OPTICAL DISPLAY CONTAINING SAME
Express Mail Label No.	

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status  
See 37 C.F.R. 1.27.
3. ☒ Specification (preferred arrangement set forth below) [Total Pages 62]  
 - Descriptive title of the invention  
 - Cross References to Related Applications  
 - Statement Regarding Fed sponsored R & D  
 - Reference to sequence listing, a table, or a computer program listing appendix  
 - Background of the invention  
 - Brief Summary of the invention  
 - Brief Description of the Drawings (if filed)  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets 4]  
 5. Oath or Declaration [Total Pages 4]  
 a. ☒ Newly executed (original or copy)  
 b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
 (for a continuation/divisional with Box 18 completed)  
 i. ☐ **DELETION OF INVENTOR(S)**  
 Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☒ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  
 a. ☐ Computer Readable Form (CRF)  
 b. Specification Sequence Listing on:  
 i. ☐ CD-ROM or CD-R (2 copies); or  
 ii. ☐ paper  
 c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☒ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. \_\_\_\_\_ / \_\_\_\_\_

Prior application information Examiner \_\_\_\_\_

Group / Art Unit \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Labelor ☐ Correspondence address below

23599

PATENT TRADEMARK OFFICE

Name	MILLEN, WHITE, ZELANO AND BRANIGAN, P C.				
Address	2200 CLARENDON BOULEVARD, SUITE 1400				
City	ARLINGTON	State	VA	Zip Code	22201
Country	USA	Telephone	703-243-6333	Fax	703-243-6410

Name (Print/Type)	John A Sopp	Registration No. (Attorney/Agent)	33,103
Signature		Date	December 20, 2001

Burden Hour Statement: This form is estimated to take 2 hours to complete, the majority depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEE OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 740

## Complete if Known

Application Number unassigned  
 Filing Date December 20, 2001  
 First Named Inventor Klasen-Memmer  
 Examiner Name unassigned  
 Group / Art Unit unassigned  
 Attorney Docket No. Merck 2331

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 13-3402

Deposit Account Name Milten, White, Zelano & Branigan, P C

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
☐ Applicant claims small entity status See 37 CFR 1.27

2. ☒ Payment Enclosed.

- ☒ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

1. BASIC FILING FEE				Fee Paid
Large Fee Code (\$)	Entity Fee Code (\$)	Small Fee Code (\$)	Entire Fee Description	
101	740	201	370 Utility filing fee	740
106	330	206	165 Design filing fee	
107	510	207	255 Plant filing fee	
108	740	208	370 Reissue filing fee	
114	160	214	80 Provisional filing fee	

SUBTOTAL (1) (\$) 740

## 2. EXTRA CLAIM FEES

Total Claims	15	-20**	=	0	Extra Claims	X	Fee from below	16	=	0	Fee Paid
Independent Claims	1	-3**	=	0	X		84	=	0		
Multiple Dependent					X			=	0		

Large Fee Code (\$)	Entity Fee Code (\$)	Small Fee Code (\$)	Entire Fee Description
103	18	203	9 Claims in excess of 20
102	84	202	42 Independent claims in excess of 3
104	260	204	140 Multiple dependent claim, if not paid
109	84	209	42 ** Reissue independent claims over original patent
110	18	210	9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0

\*\*or number previously paid, if greater. For Reissues, see above

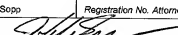
## FEE CALCULATION (continued)

3. ADDITIONAL FEES				Fee Description	Fee Paid
Large Fee Code (\$)	Entity Fee Code (\$)	Small Fee Code (\$)	Entire Fee Description		
105	130	205	65 Surcharge - late filing fee or oath		
127	50	227	25 Surcharge - late provisional filing fee or cover sheet		
139	130	139	130 Non-English specification		
147	2,520	147	2,520 For filing a request for reexamination		
112	920*	112	920* Requesting publication of SIR prior to Examiner action		
113	1,840*	113	1,840* Requesting publication of SIR after Examiner action		
115	110	215	55 Extension for reply within first month		
116	400	216	200 Extension for reply within second month		
117	920	217	460 Extension for reply within third month		
118	1,440	218	720 Extension for reply within fourth month		
128	1,960	228	980 Extension for reply within fifth month		
119	320	219	160 Notice of Appeal		
120	320	220	160 Filing a brief in support of an appeal		
121	280	221	140 Request for oral hearing		
138	1,510	138	1,510 Petition to institute a public use proceeding		
140	110	240	55 Petition to revive - unavoidable		
141	1,260	241	630 Petition to revive - unintentional		
142	1,280	242	640 Utility issue fee (or reissue)		
143	460	243	230 Design issue fee		
144	820	244	410 Plant issue fee		
122	130	122	130 Petitions to the Commissioner		
123	130	123	130 Petitions related to provisional applications		
126	180	126	180 Submission of Information Disclosure Stmt		
561	40	561	40 Recording each patent assignment per property (times number of properties)		
146	740	246	370 Filing a submission after final rejection (37 CFR § 1.129(a))		
149	740	249	370 For each additional invention to be examined (37 CFR § 1.129(b))		
179	740	279	370 Request for Continued Examination (RCE)		
169	900	169	900 Request for expedited examination of a design application		

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0

## SUBMITTED BY

Name (Print/Type) John A. Sepp Registration No. Attorney/Agent 33,103 Telephone 703-243-8333  
 Signature  Date December 20, 2001

## Complete (if applicable)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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